

**Fig. 1****SEQ ID NO: 1**

CACGAGGCCATGGCGAGCGGCGAGCATTCCCCGGCAGCGCGCGGCC  
GGCGGCCGCTGCACTCCGCGCAGGCTGCGGCCGCTGCACTCCGCGCAG  
GCTGTGGACGTGGCCTCGGCCTCCAACCTCCGGGCCTTTGAGCTGCTG  
CACTTGACCTGGACCTGCGGGCTGAGTTCGGGCCTCCAGGGCCCGGC  
GCAGGGAGCCGGGGGCTGAGCGGCACCGCGGTCTTGACCTGCGCTGC  
CTGGAGCCCGAGGGCGCCGCCGAGCTGCGGCTGGACTCGCACCCGTGC  
CTGGAGGTGACGGCGGCGGCGCTGCGGCGGGAGCGGCCCGGCTCGGAG  
GAGCCGCCTGCGGAGCCCGTGAGCTTCTACACGCAGCCCTTCTCGCAC  
TATGGCCAGGCCCTGTGCGTGTCTTCCCGCAGCCCTGCCGCGCCGCC  
GAGCGCCTCCAGGTGCTGCTCACCTACCGCGTCGGGGAGGGACCCCGG  
GTTTGCTGGGTGGCTCCCGAGCAGACAGCAGGAAAGAAGAAGCCCTTC  
GTGTACACCCAGGGCCAGGCTGTCCTAAACCGGGCCTTCTTCCCTTGC  
TTCGACACGCCTGCTGTTAAATACAAGTATTCAGCTCTTATTGAGGTC  
CCAGATGGCTTCACAGCTGTGATGAGTGCAAGACCTGGGGAGAAGAGA  
GGTCCAAATAAGTTCTTCTTCCAGATGTGTCAGCCCATCCCCTCCTAT  
CTGATAGCTTTGGCCATCGGAGATCTGGTTTCGGCTGAAGTTGGACCC  
AGGAGCCGGGTGTGGGCTGAGCCCTGCCTGATTGATGCTGCCAAGGAG  
TACAACGGGGTGATAGAAGAATTTTTGGCAACAGGAGAGAAGCTTTTT  
GGACCTTATGTTTGGGGAAGGTATGACTTGCTCTTCATGCCACCGTCC  
TTTCCATTTGGAGGAATGGAGAACCCTTGCTCTGACCTTTGTCACCCCC  
TGCCTGCTAGCTGGGGACCGCTCCTTGGCAGATGTCATCATCCATGAG  
ATCTCCACAGTTGGTTTGGGAACCTGGTCACCAACGCCAACTGGGGT  
GAATTCTGGCTCAATGAAGGTTTCACCATGTACGCCCAGAGGAGGATC  
TCCACCATCCTCTTTGGCGCTGCGTACACCTGCTTGGAGGCTGCAACG  
GGGCGGGCTCTGCTGCGTCAACACATGGACATCACTGGAGAGGAAAAC  
CCACTCAACAAGCTCCGCGTGAAGATTGAACCAGGCGTTGACCCGGAC  
GACACCTATAATGAGACCCCCTACGAGAAAGGTTTCTGCTTTGTCTCA

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TACCTGGCCCACTTGGTGGGTGATCAGGATCAGTTTGACAGTTTTCTC  
AAGGCCTATGTGCATGAATTCAAATCCGAAGCATCTTAGCCGATGAC  
TTTCTGGACTTCTACTTGGAATATTTCCCTGAGCTTAAGAAAAAGAGA  
GTGGATATCATTCCAGGTTTTGAGTTTGATCGATGGCTGAATACCCCC  
GGCTGGCCCCCGTACCTCCCTGATCTCTCCCCTGGGGACTCACTCATG  
AAGCCTGCTGAAGAGCTAGCCCAACTGTGGGCAGCCGAGGAGCTGGAC  
ATGAAGGCCATTGAAGCCGTGGCCATCTCTCCCTGGAAGACCTACCAG  
CTGGTCTACTTCCTGGATAAGATCCTCCAGAAATCCCCTCTCCCTCCT  
GGGAATGTGAAAAAACTTGGAGACACATACCCAAGTATCTCAAATGCC  
CGGAATGCAGAGCTCCGGCTGCGATGGGGCCAAATCGTCCTTAAGAAC  
GACCACCAGGAAGATTTCTGGAAAGTGAAGGAGTTCCTGCATAACCAG  
GGGAAGCAGAAGTATACACTTCGCTGTACCACGCAATGATGGGTGGC  
AGTGAGGTGGCCCAGACCCTCGCCAAGGAGACTTTTGATCCACCGCC  
TCCCAGCTCCACAGCAATGTTGTCAACTATGTCCAGCAGATCGTGGCA  
CCCAAGGGCAGTTAGAGGCTCGTGTGCATGGCCCCTGCCTCTTCAGGC  
TCTCCAGGCTTTCAGAATAATTGTTTGTTCCTTCCAAATTCCTGTTCCCTG  
ATCAACTTCCTGGAGTTTATATCCCCTCAGGATAATCTATTCTCTAGC  
TTAGGTATCTGTGACTCTTGGGCCTCTGCTCTGGTGGGAACTTACTTC  
TCTATAGCCCCTGAGCCCCGAGACAGAGAACCTGCCCACAGCTCTCC  
CCGCTACAGGCTGCAGGCACGCAGGGCAGCGGGTATTCTCCTCCCACC  
TAAGTCTCTGGGAAGAAGTGGAGAGGACTGATGCTCTTCTTTTTTCTC  
TTTCTGTCCTTTTTCTTGCTGATTTATGCAAAGGGCTGGCATTCTGAT  
GCTTTTCAGGTTTAATCCTTATTTTAATAAAGTTTTCAAGCAAAAAA

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**Fig. 2****SEQ ID NO: 2**

MPPSFPPFGGMENPCLTFVTPCLLAGDRSLADVIIHEISHSWFGNLVTN  
ANWGEFWLNEGFTMYAQRRISTILFGAAYTCLEAATGRALLRQHMDIT  
GEENPLNKL RVKIEPGVDPDDTYNETPYEKGFCFVSYLAHLVGDQDQF  
DSFLKAYVHEFKFRSILADDFLD FYLEYFPELKKKRVDIIPGFEFDRW  
LNTPGWPPYLPDLSPGDSL MKPAEELAQLWAAEELDMKAIEAVAI SPW  
KTYQLVYFLDKILQKSPLPPGNVKKLGDTYPSISNARNAELRLRWGQI  
VLKNDHQEDFWKVKEFLHNQ GKQKYTLPLYHAMMGGSEVAQTLAKETF  
ASTASQLHSNVVNYVQQIVAPKGS

**Fig. 3****SEQ ID NO: 3**

5' - GAAGATTGAACCAGGCGTTGA - 3'

**Fig. 4****SEQ ID NO: 4**

5' - GGTATGAGACAAAGCAGAAACCTTT - 3'

**Fig. 5****SEQ ID NO: 5**

5' - CCGGACGACACCTATAATGAGACCCCCTAC - 3'